



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

RBW109-3101-58-1-PO

Job Sheet 191019



Part No: RBW109-3101-58-1-PO

Job Qty: 2 pcs

Part Name: Hammer, Steel, Blade Corrosion and Voids Detection



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 2/20/19

Job Tracking No:

Due Date: 5/30/19

Created By: Patrick Lussier

Type: Stock

Description:

Note: DWG RBW109-3101-58-1 Rev.3 IPP Rev. A 18.10.23 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	2 pcs	5/30/19	5/30/19	0.00	0.00	Purchasing - 1		MAY 30 2019
							Purchasing - 2		
							Purchasing - 3		
110	Packaging 2-1 - Receive - B4B	2 pcs	5/30/19	5/30/19	0.00	0.00	Packaging 2 - 1 - B4B		MAY 30 2019
							Packaging 2 - 2 - B4B		
							Packaging 2 - 3 - B4B		
							Packaging 2 - 5 - B4B		
							Packaging 2 - 4 - B4B		
							Packaging 2 - 6 - B4B		
							Packaging 2 - 7 - B4B		
							Packaging 2 - 8 - B4B		
							Packaging 2 - 9 - B4B		
							Packaging 2 - 10 - B4B		
							Packaging 2 - 11 - B4B		
							Packaging 2 - 12 - B4B		
							Packaging 2 - 13 - B4B		
							Packaging 2 - 14 - B4B		
							Packaging 2 - 15 - B4B		
							Packaging 2 - 16 - B4B		
							Packaging 2 - 17 - B4B		
							Packaging 2 - 18 - B4B		
							Packaging 2 - 19 - B4B		
							Packaging 2 - 20 - B4B		
							Packaging 2 - 21 - B4B		
							Packaging 2 - 22 - B4B		
							Packaging 2 - 23 - B4B		
							Packaging 2 - 24 - B4B		
							Packaging 2 - 25 - B4B		
							Packaging 2 - 26 - B4B		
							Packaging 2 - 27 - B4B		
							Packaging 2 - 28 - B4B		



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S185530



Part: RBW109-3101-58-1

Job No: 191019

Serial No/Batch: S185530

Revision: 3

Inspector:

Exp Date:

Instructions:

Date: 05/30/19

				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
120	QC 6	2 pcs	5/30/19	0.00 0.00	QC 6 - 9
					QC 6 - 68
					QC 6 - 61
130	Packaging 3-1 - Stock - B4B	2 pcs	5/30/19	0.00 0.00	Packaging 3 - 1 - B4B
					Packaging 3 - 2 - B4B
					Packaging 3 - 3 - B4B
					Packaging 3 - 4 - B4B
					Packaging 3 - 5 - B4B
					Packaging 3 - 6 - B4B
					Packaging 3 - 7 - B4B
					Packaging 3 - 8 - B4B
					Packaging 3 - 9 - B4B
					Packaging 3 - 10 - B4B
					Packaging 3 - 11 - B4B
					Packaging 3 - 12 - B4B
					Packaging 3 - 13 - B4B
					Packaging 3 - 14 - B4B
					Packaging 3 - 15 - B4B
					Packaging 3 - 16 - B4B
					Packaging 3 - 17 - B4B
					Packaging 3 - 18 - B4B
					Packaging 3 - 19 - B4B
					Packaging 3 - 20 - B4B
					Packaging 3 - 21 - B4B
					Packaging 3 - 22 - B4B
					Packaging 3 - 23 - B4B
					Packaging 3 - 24 - B4B
					Packaging 3 - 25 - B4B
					Packaging 3 - 26 - B4B
					Packaging 3 - 27 - B4B
					Packaging 3 - 28 - B4B
					Packaging 3 - 29 - B4B
					Packaging 3 - 30 - B4B
					Packaging 3 - 31 - B4B
					Packaging 3 - 32 - B4B
					Packaging 3 - 33 - B4B
					Packaging 3 - 34 - B4B
					Packaging 3 - 35 - B4B
					Packaging 3 - 36 - B4B
140	QC 21 - FG	2 pcs	5/30/19	0.00 0.00	QC 21 - FG - 21
					QC 21 - FG - 70
					QC 21 - FG - 53

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Part Op 100 - Issue P/O: 042669 MANUFACTURE RBW109-3101-58-1 AS PER DWG Supplier: METEC Certificate of
 Descriptions: conformity is required
 110 - (Receive & Inspect for Damage & Mat'l Certs)
 120 - (QC6- All purchased or subcontracted products)
 130 - (Identify as per dwg & Stock Location: _____)
 140 - (QC21- Final Inspection - Work Order Release)

Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
RBW109-3101-58-1P	Hammer, Steel, Blade Corrosion and Voids Detection	2 pcs (1 ea)	100-Purchasing	5185529
Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	RBW109-3101-58-1P	2	0	0
Part Specifications				
Specifications could not be found.				

Plex 5/30/19 11:57 AM Dart.Hadley.Shannon



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Hawkesbury, ON
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RBW109-3101-58-1-PO

Job Sheet 191019



Part No: RBW109-3101-58-1-PO

Job Qty: 2 ea

Part Name: Hammer, Steel, Blade Corrosion and Voids Detection



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 2/20/19

Job Tracking No:

Due Date: ~~4/24/19~~ 5/30/2019

Created By: Patrick Lussier

Type: Stock

Description:

Note: DWG RBW109-3101-58-1 Rev.3 IPP Rev. A 18.10.23 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	2 pcs		4/24/19	0.00	0.00	Purchasing		
110	Packaging	2 pcs		4/24/19	0.00	0.00	Packaging2		
120	QC	2 pcs		4/24/19	0.00	0.00	QC6		
130	Packaging	2 pcs		4/24/19	0.00	0.00	Packaging3		
140	QC21-FG	2 Ea		4/24/19	0.00	0.00	QC21		

Part Op **100** - Issue P/O: 042609 MANUFACTURE RBW109-3101-58-1 AS PER DWG Supplier: METEC Certificate of Descriptions: conformity is required

x2 plus 20 Feb 2019

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
RBW109-3101-58-1P	Hammer, Steel, Blade Corrosion and Voids Detection	2 pcs (1 ea)	100-Purchasing	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	RBW109-3101-58-1P	2	0	0

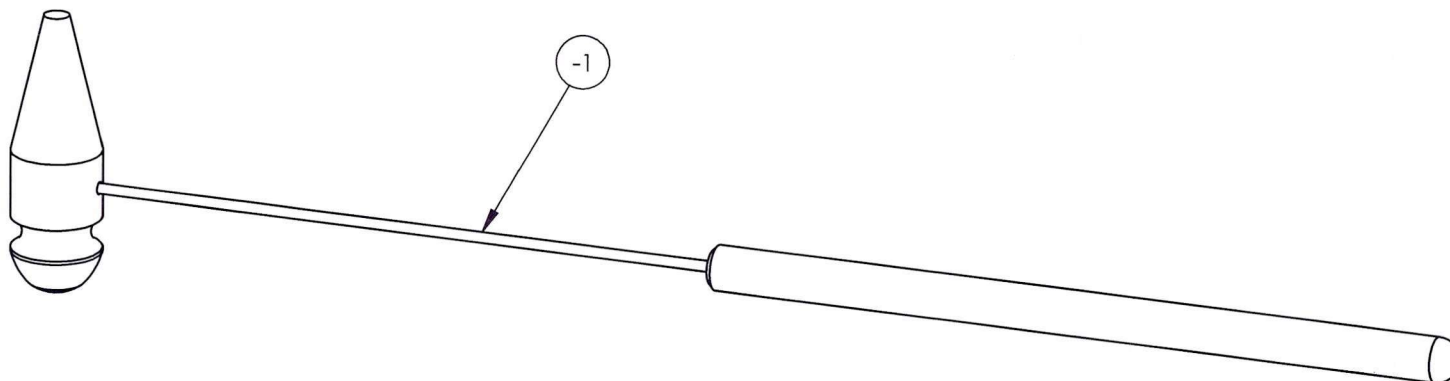
Part Specifications

Specifications could not be found.

Plex 2/20/19 2:39 PM dart.Lussier.Patrick

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	6/1/2015	DPD	JAG
2	16-0212	ADDED NOTE 2 SHEET 1, -1 CH'D DWG TO SHEET METAL TOLERANCE. -3 CH'D FINISH WAS CAD PLATE YELLOW IS ZINC PLATE ASTM B633 TYPE 1 SC 2, CH'D MATERIAL WAS 1018/1020 IS 1018/1020 CR. -5 CH'D DIM WAS $\pm(\pm 0.059)$ IS $(\pm 0.060/.058)$. -7 CH'D DIM WAS ± 0.24 IS ± 0.25 , CH'D ENGRAVE NOTE WAS LASER ENGRAVE T/N IS LASER ENGRAVE T/N, S/N, "MADE IN USA".	11/4/2016	RJC	JAG
3	17-0053	-7 CH'D ENGRAVE NOTE WAS LASER ENGRAVE T/N, S/N, "MADE IN USA" IS LASER ENGRAVE T/N.	2/20/2017	RJC	JAG



NOTE:

1. REF. AGUSTA T/N: 109-3101-58-1.
2. -1 USED IN KITS: RBT18025, RBEA62309, RBT18510, & RBT18561.

TEO ATTACHED

DART AEROSPACE											
TITLE HAMMER, STEEL, BLADE CORROSION AND VOIDS DETECTION											
DWG NO. RBW109-3101-58-1	REV 3										
<table border="1"> <tr> <td>MAT'L</td> <td>UNLESS OTHERWISE SPECIFIED</td> </tr> <tr> <td>HEAT TREAT</td> <td>DIMENSIONS ARE IN INCHES</td> </tr> <tr> <td>FINISH</td> <td>.XXX $\pm .005$ FRACTIONS $\pm 1/8$</td> </tr> <tr> <td>SPEC</td> <td>.XX $\pm .01$ ANGLES $\pm 5^\circ$</td> </tr> <tr> <td></td> <td>.X $\pm .1$ SURFACES = 125/</td> </tr> </table>		MAT'L	UNLESS OTHERWISE SPECIFIED	HEAT TREAT	DIMENSIONS ARE IN INCHES	FINISH	.XXX $\pm .005$ FRACTIONS $\pm 1/8$	SPEC	.XX $\pm .01$ ANGLES $\pm 5^\circ$		.X $\pm .1$ SURFACES = 125/
MAT'L	UNLESS OTHERWISE SPECIFIED										
HEAT TREAT	DIMENSIONS ARE IN INCHES										
FINISH	.XXX $\pm .005$ FRACTIONS $\pm 1/8$										
SPEC	.XX $\pm .01$ ANGLES $\pm 5^\circ$										
	.X $\pm .1$ SURFACES = 125/										
<table border="1"> <tr> <td>DRAWN BY:</td> <td>DUERFELDT</td> </tr> <tr> <td>CHECKED:</td> <td>DUERFELDT</td> </tr> <tr> <td>OPPS APPR:</td> <td>ANDERSON</td> </tr> <tr> <td>QA APPR:</td> <td>LINDSAY</td> </tr> <tr> <td>APPROVED:</td> <td>GILBERT</td> </tr> </table>		DRAWN BY:	DUERFELDT	CHECKED:	DUERFELDT	OPPS APPR:	ANDERSON	QA APPR:	LINDSAY	APPROVED:	GILBERT
DRAWN BY:	DUERFELDT										
CHECKED:	DUERFELDT										
OPPS APPR:	ANDERSON										
QA APPR:	LINDSAY										
APPROVED:	GILBERT										
<table border="1"> <tr> <td>SCALE</td> <td>1:1</td> <td>DATE</td> <td>3/12/2015</td> <td>SHEET 1 OF 5</td> </tr> </table>		SCALE	1:1	DATE	3/12/2015	SHEET 1 OF 5					
SCALE	1:1	DATE	3/12/2015	SHEET 1 OF 5							

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		-1	1	HAMMER, STEEL			2
	1		-3		HAMMER HEAD	1018/1020 CR		3
	1		-5		SHAFT	S.S.	± 0.059 X 1 FT. (MCMMASTER-CARR #8908K62) MODIFIED	4
	1		-7		HANDLE	6061		5
		B/O	-9	1	CASE	PLASTIC	SMALL PISTOL CASE (RSR GROUP #10137)	N/S
	ASSY -1							



www.metec.ca | 20 Terry Fox Drive, Vankleek Hill, Ontario, Canada K0B 1R0 | Phone: +1 613-678-3957 Fax: +1 613-678-3956

Acknowledgment

Sold To: Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Canada

Ship To: Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Canada

Att. Patrick Lussier

Order Number:	3520	PO Number:	PO042669
Date Entered:	20-Feb-2019	Ship Via:	Pick up at METEC
Customer:	DART	Salesman:	Christian D. Walz
Phone:	(613) 632-5200	Terms:	Net 60 Days
FAX:	(613) 632-1053	Contact:	Patrick Lussier
FOB:	Vankleek Hill, ON		

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Revision</u>	<u>Unit Price</u>	<u>Amount</u>
1	1	RBW6005G00131-3GP - Multi-Purpose Trolley Release Date(s): 1 by 4/24/2019	5	\$3,205.0000 / EA	\$3,205.00
2	2	RBW6205G00632-3GP - Sling, Main Rotor Blade Lift Release Date(s): 2 by 4/24/2019	6	\$5,980.0000 / EA	\$11,960.00
3	2	RBW6205G09031-3GP - Trolley Adapter, M/R Head Support Release Date(s): 2 by 4/24/2019	3	\$1,430.0000 / EA	\$2,860.00

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Revision</u>	<u>Unit Price</u>	<u>Amount</u>
4	2	RBW109-3101-58-1P - Hammer, Steel, Blade Corrosion and Voids Detection	3	\$150.0000 / EA	\$300.00
		Release Date(s): 2 by 4/24/2019			

Order Total: \$18,325.00

Thank you for your order!



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO042669



Supplier: MEM001-VC
Metec Metal Technology Inc.
20 Terry Fox Drive PO Box 781
Vankleek Hill
ON
K0B 1R0 Canada
Phone: 613 678 3957
Fax: 613 678 3956

Attention: Walz, Shigi

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO042669

PO Date: 2/20/19

Due Date: ~~4/24/19~~ 4/25/2019

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Lussier, PatrickPhone:

Via: Ground

Pymt Terms: Net 60

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	191014	RBW6005G00131-3GP			Multi-Purpose Trolley REV 5	Firmed		4/24/19	1 pcs	0 pcs	1 pcs	\$3,205.00/pcs	\$3,205.00
2	191020	RBW6205G00632-3GP			Sling, Main Rotor Blade Lift As per Dwg RBW6205G00632-3G Rev. 6	Firmed	-	4/24/19	2 pcs	0 pcs	2 pcs	\$5,980.00/pcs	\$11,960.00
3	191016	RBW6205G09031-3GP			Main Rotor Head Support - Trolley Adapter REV 3	Firmed	-	4/24/19 5/30/2019	2 pcs	0 pcs	2 pcs	\$1,430.00/pcs	\$2,860.00
4	191019	RBW109-3101-58-1P			Hammer, Steel, Blade Corrosion and Voids Detection REV 3	Firmed	-	4/24/19 5/30/2019	2 pcs	0 pcs	2 pcs	\$150.00/pcs	\$300.00
Grand Total:												\$18,325.00	

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Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO042669



Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Procurement Quality Clauses

A005 RIGHT OF ENTRY
A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)
A012 CHEMICAL AND PHYSICAL TEST REPORTS
A016 PERSONNEL QUALIFICATION
A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A041 QUALITY MANAGEMENT SYSTEM
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Plex 2/20/19 3:37 PM dart.Lussier.Patrick

Packing List

Bill To: Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Canada

Ship To: Att. Patrick Lussier
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Canada

Shipment No: 25304
Shipment Date: 27-May-2019
Ship Via: Pick up at METEC
Order Number: 3520
Order Date: 02/20/19

Customer Code: DART
Phone: (613) 632-9577
PO Number: P0042669 ✓
Terms: Net 60 Days

----- Quantity -----									
<u>Item</u>	<u>Open</u>	<u>Shipped</u>	<u>B/O</u>	<u>Canceled</u>	<u>Unit</u>	<u>Description</u>	<u>Revision</u>	<u>Job Number</u>	
4	2	2 ✓	0	0	EA	RBW109-3101-58-1P Hammer, Steel, Blade Corrosion and Voids Detection	3	3520-04	

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RECEIVED
MAY 30 2019
DART AEROSPACE LTD.

The delivered goods must be inspected upon receipt to confirm compliance. Should there be discrepancies please notify METEC within 30 days of delivery. The goods are otherwise deemed accepted.

Received In Good Order By
Att. Patrick Lussier



20 Terry Fox Drive, Vankleek Hill, Ontario K0B 1R0

Tel. (613) 678-3957 & (613) 678-2782 Fax (613) 678-3956 metec@metec.ca

CERTIFICATE OF CONFORMITY

SOLD TO:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, Ont.
K6A 1K7

SHIPPED TO:

same

Quantity	Part Number	Part Name	Dwg Rev.#	P.O. Number
2 ✓	RBW109-3101-58-1P ✓	Hammer, Steel, Blade Corrosion and Voids Detection	3	42669 ✓

MATERIAL: supplied by METEC

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We hereby certify that the above parts were made in conformance with applicable drawings.

METEC Metal Technology Inc.

George Theoret

Vankleek Hill, May 27, 2019

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed:

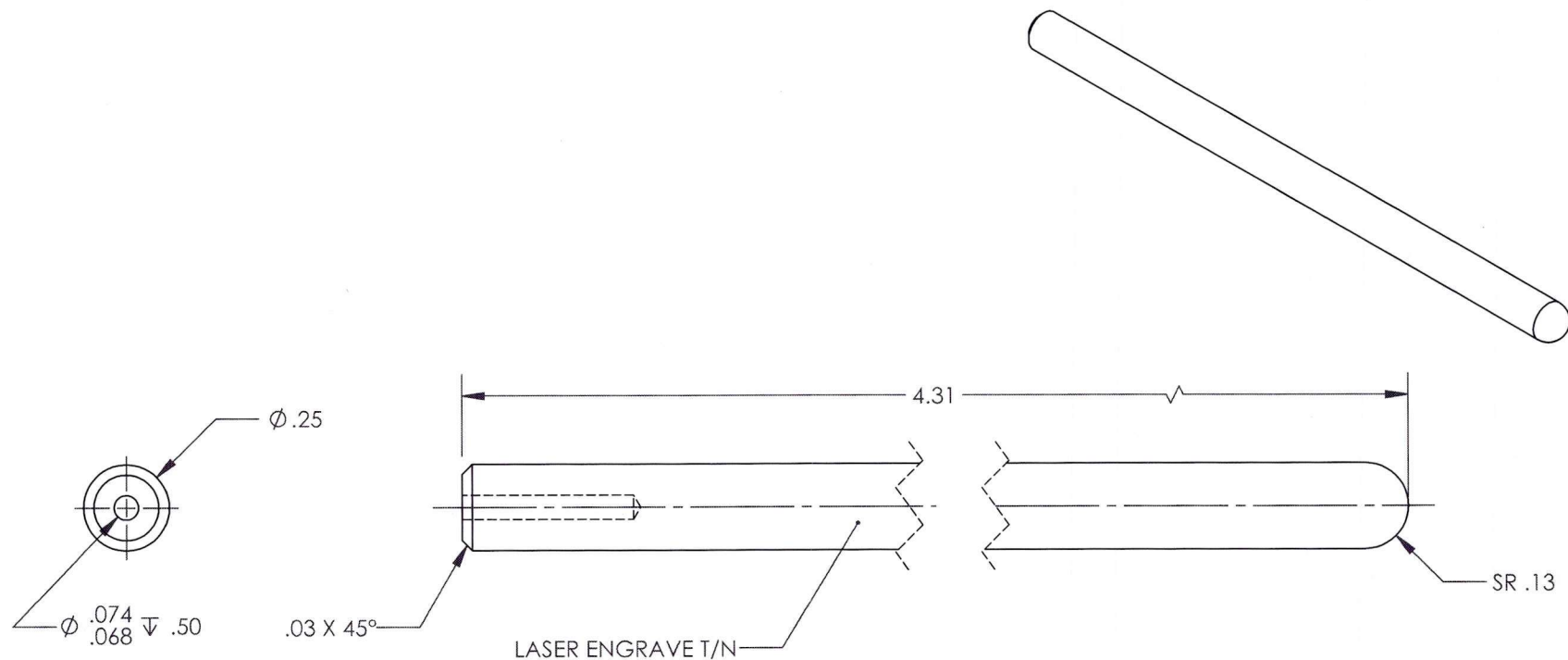
Date:

Work Order update only ☐

Work Order: _____ Part No. <u>RBW109-3101-58-1/-2</u> NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☒ X Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td style="border: none;"></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																															
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Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Feb 15, 2018																																																																
Description Work Order Deviation				Disposition			Completed By																																																																
RBW109-3101-58-1-7 and RBW109-3101-58-2-7 have a finish of either clear or blue anodize				- The color of the finish on this part is not critical. - The fit, form and function of the tool will be as originally intended.			Lead hand / Supervisor Approval Verification																																																																
							QC / QA Coordinator Approval																																																																
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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0212	-7 CH'D DIM WAS Ø.24 IS Ø.25, CH'D ENGRAVE NOTE WAS LASER ENGRAVE T/N IS LASER ENGRAVE T/N, S/N, "MADE IN USA".	11/4/2016	RJC	JAG
3	17-0053	-7 CH'D ENGRAVE NOTE WAS LASER ENGRAVE T/N, S/N, "MADE IN USA" IS LASER ENGRAVE T/N.	2/20/2017	RJC	JAG



(-7)
HANDLE

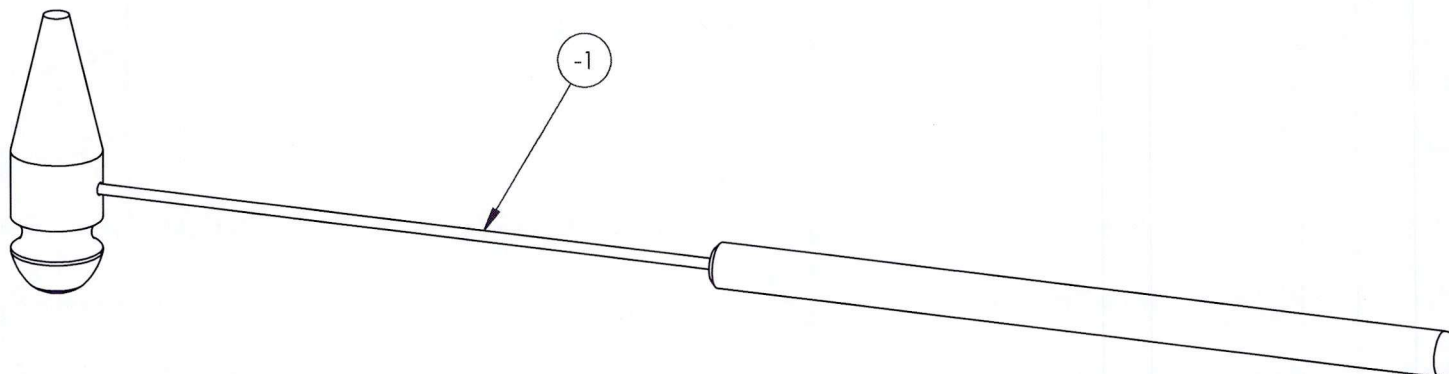
DART AEROSPACE	
TITLE HAMMER, STEEL, BLADE CORROSION AND VOIDS DETECTION	
DWG NO. RBW109-3101-58-1-7	REV 3
MAT'L 6061	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH BLUE ANODIZE	.XX ± .01 ANGLES ± .5°
SPEC MIL-A-8625F, TYPE II, CLASS II	.X ± .1 SURFACES = 125/
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	AW109/AW119
SCALE 2:1	DATE 3/12/2015
SHEET 5 OF 5	

 DART AEROSPACE Hawkesbury, Ontario, Canada	ENGINEERING ORDER # TEO17-644			SCALE: NTS	SHEET 1 OF 1
	DRAWING NO. RBW109-3101-58-1	REV: NC ³ <i>en</i>	EFF.: NEXT ORDER	CHANGE CATEGORY	
	TITLE: HAMMER, STEEL, BLADE CORROSION AND VOIDS DETECTION			☐ MAJOR ☒ MINOR	DATE 17.09.07
	APPROVED: <i>OK</i> VM 09/15/2017	QA APP.: PD 09/14/2017	MFG. APPR.: DP 09/11/2017	CHECKED: SAC 09/08/2017	DRAWN: VM 09/08/2017
TRANSACTION CODE (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: NO EPOXY DETAILS			COPYRIGHT © 2017 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	
WAS : PART# RBW109-3101-58-1-1 Rev 3 CALLED : EPOXY (IN NOTES) IS : PART# RBW109-3101-58-1-1 Rev 3 CALLED : EPOXY 3M DP460 AS PER QSI 015 (IN NOTES)					
DOCUMENTS EFFECTED: ☐ PATTERN ☐ INSTALL INSTRUCTIONS ☒ BOM					

ECN 17-644

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	6/1/2015	DPD	JAG
2	16-0212	ADDED NOTE 2 SHEET 1. -1 CH'D DWG TO SHEET METAL TOLERANCE. -3 CH'D FINISH WAS CAD PLATE YELLOW IS ZINC PLATE ASTM B633 TYPE I SC 2. CH'D MATERIAL WAS 1018/1020 IS 1018/1020 CR. -5 CH'D DIM WA S(Ø.059) IS (Ø.060/.058). -7 CH'D DIM WAS Ø.24 IS Ø.25. CH'D ENGRAVE NOTE WAS LASER ENGRAVE T/N IS LASER ENGRAVE T/N, S/N, "MADE IN USA".	11/4/2016	RJC	JAG
3	17-0053	-7 CH'D ENGRAVE NOTE WAS LASER ENGRAVE T/N, S/N, "MADE IN USA" IS LASER ENGRAVE T/N.	2/20/2017	RJC	JAG



NOTE:

1. REF. AGUSTA T/N: 109-3101-58-1.
2. -1 USED IN KITS: RBT18025, RBEA62309, RBT18510, & RBT18561.

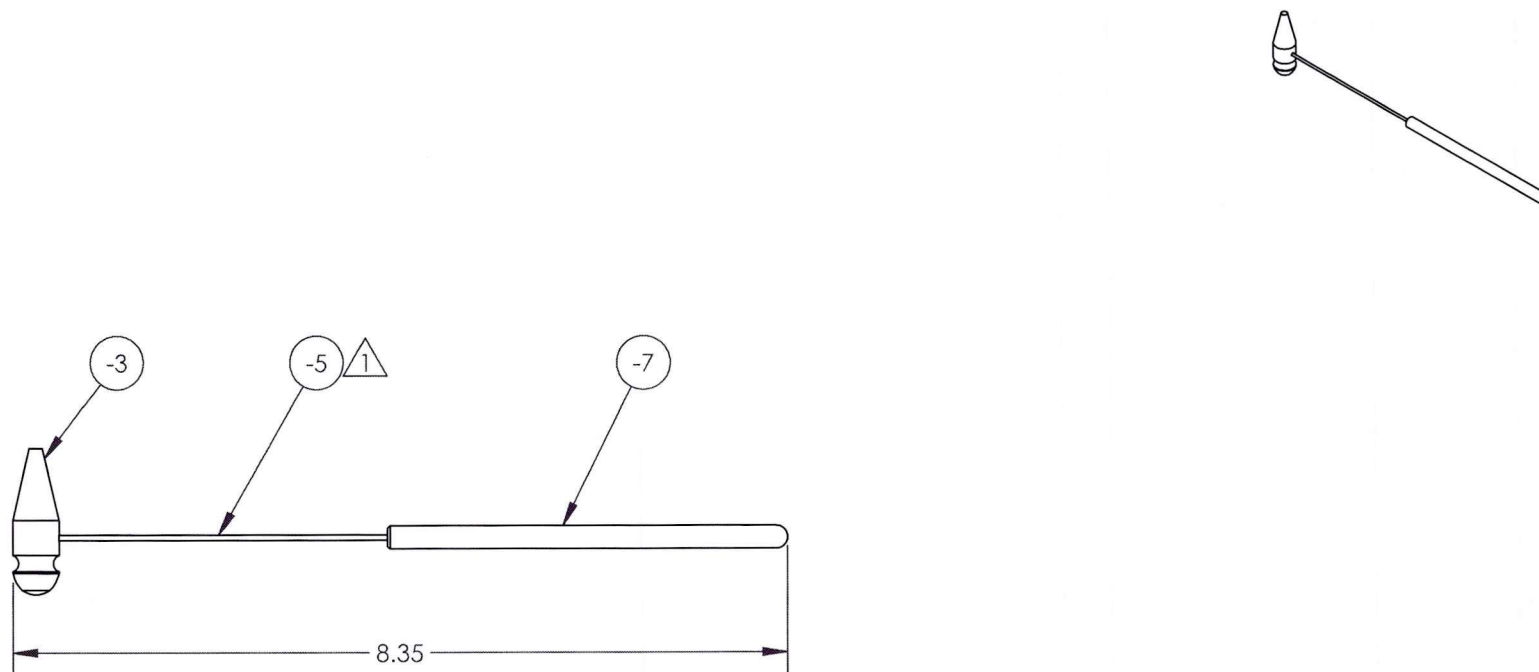
TEO ATTACHED

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		-1	1	HAMMER, STEEL			2
	1		-3		HAMMER HEAD	1018/1020 CR		3
	1		-5		SHAFT	S.S.	Ø.059 X 1 FT. (MCMMASTER-CARR #8908K62) MODIFIED	4
	1		-7		HANDLE	6061		5
		B/O	-9	1	CASE	PLASTIC	SMALL PISTOL CASE (RSR GROUP #10137)	N/S
	ASSY -1							

DART AEROSPACE	
TITLE HAMMER, STEEL, BLADE CORROSION AND VOIDS DETECTION	
DWG NO. RBW109-3101-58-1	REV 3
MAT'L	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125/√
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	AW109/AW119
SCALE 1:1	DATE 3/12/2015 SHEET 1 OF 5

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0212	-1 CH'D DWG TO SHEET METAL TOLERANCE.	11/4/2016	RJC	JAG



NOTE:

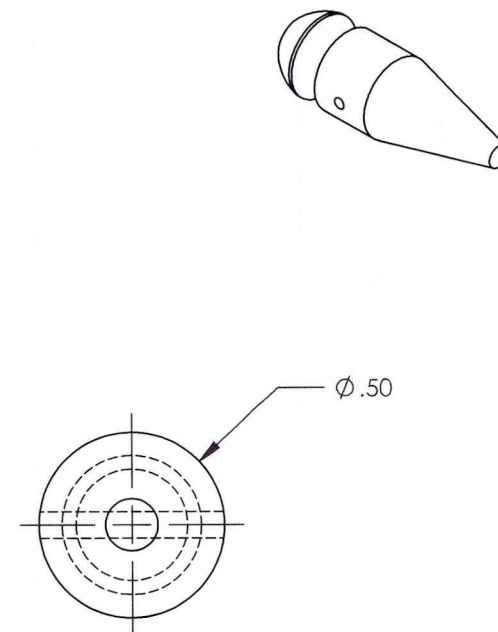
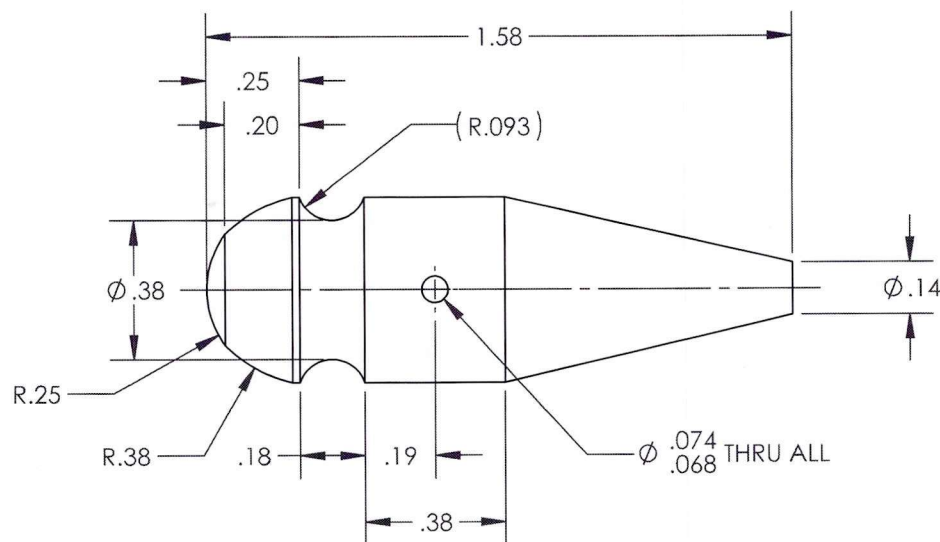
1 EPOXY -5 SHAFT INTO -3 HAMMER HEAD & -7 HANDLE.

(-1)
HAMMER, STEEL

DART AEROSPACE	
TITLE HAMMER, STEEL, BLADE CORROSION AND VOIDS DETECTION	
DWG NO. RBW109-3101-58-1-1	REV 3
MAT'L	UNLESS OTHERWISE SPECIFIED
HEAT	DIMENSIONS ARE IN INCHES
TREAT	.XXX ± .010 FRACTIONS ± 1/8
FINISH	.XX ± .03 ANGLES ± 1°
	.X ± .1 SURFACES = 125
SPEC	1. BREAK ALL SHARP EDGES
	.015 x 45° OR .015R
DRAWN BY: DUERFELDT	2. DIMENSIONAL LIMITS APPLY
CHECKED: DUERFELDT	AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	AW109/AW119
SCALE 1:2	DATE 3/12/2015
SHEET 2 OF 5	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0212	-3 CH'D FINISH WAS CAD PLATE YELLOW IS ZINC PLATE ASTM B633 TYPE I SC 2, CH'D MATERIAL WAS 1018/1020 IS 1018/1020 CR.	11/4/2016	RJC	JAG

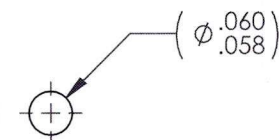
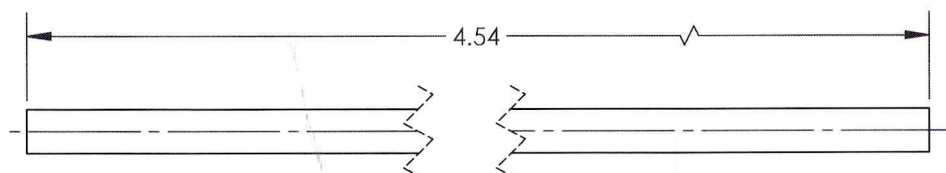


(-3)
HAMMER HEAD

DART AEROSPACE	
TITLE HAMMER, STEEL, BLADE CORROSION AND VOIDS DETECTION	
DWG NO. RBW109-3101-58-1-3	REV 3
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH ZINC PLATE	XXX ± .005 FRACTIONS ± 1/8
SPEC ASTM B633 TYPE I SC 2	.XX ± .01 ANGLES ± .5°
DRAWN BY: DUERFELDT	.X ± .1 SURFACES = 125/
CHECKED: DUERFELDT	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
SCALE 2:1	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 3/12/2015	USED ON MODEL
	AW109/AW119
	SHEET 3 OF 5

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0212	-5 CH'D DIM WAS (Ø.059) IS (Ø.060/.058).	11/4/2016	RJC	JAG



(-5)

SHAFT

DART AEROSPACE	
TITLE HAMMER, STEEL, BLADE CORROSION AND VOIDS DETECTION	
DWG NO. RBW109-3101-58-1-5	REV 3
MAT'L S.S.	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125/
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: DUERFELDT	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
QA APPR: LINDSAY	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
APPROVED: GILBERT	USED ON MODEL
SCALE 4:1	DATE 3/12/2015
	SHEET 4 OF 5